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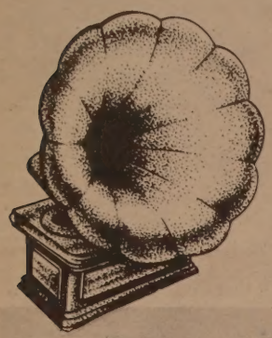
THE HORN SPEAKER

THE JOHN HERBERT ORR COLLECTION

MUSEUM NEWS



J. Herbert Orr
Museum of Sound
1203 Crawford Road
Opelika, Alabama 36801
Phone 205/749-8261

The John Herbert Orr Collection brings back to life the faded sounds of yesteryear, Edison reciting "Mary had a little lamb," Caruso sobbing through Paglicci, Rudy Valley bidding "Hi Ho Everybody," and the Kingfish saying "Buzz me Miss Blue." It brings back the memories of cold winter nights and shared earphones while the dials of the Atwater Kent were tuned with Jimmy Valentine precision to bring in KDKA from Pittsburg or the First Nighter program from WEAF sponsored by Italian Balm. If you were a teen in the thirties, then memories of winding up the Victrola and putting on a record in the church parish hall for the modest dances of that era, will flood back with the sight of the Victor machines, with the pup listening to his master's voice on the logo inside the cover.

History lives on in the John Herbert Orr Collection.

The oldest Edison machine on display is the famous Gem cylinder unit produced in 1901. This series started in 1898 and continued with various improvements until 1908. The compact model shown played four-minute brown wax cylinders and had a better spring motor, a stop-start regulating device and a knob that controlled the governor speed or could be moved in or out for braking.

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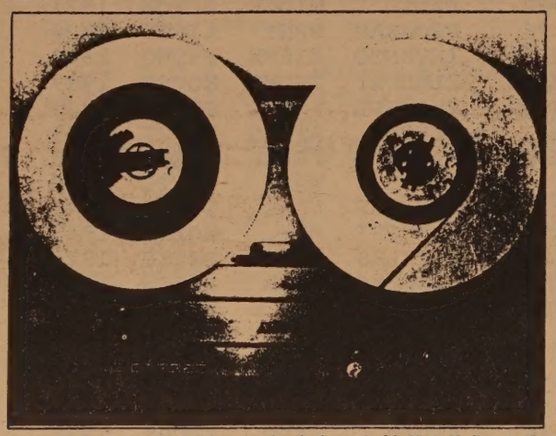
This collection, which has been appraised and declared the world's largest by no less an authority than Oliver Read, includes over 600 individual items from the Edison Gem cylinder phonograph to Rangertone =64, a post World War II American-made professional tape recorder.

A review of Oliver Read's latest edition, *From Tinfoil to Stereo*, reveals the broad range of antique phonographs that are in the Orr collection, since Read meticulously lists just about every development in the evolution of sound recording devices.

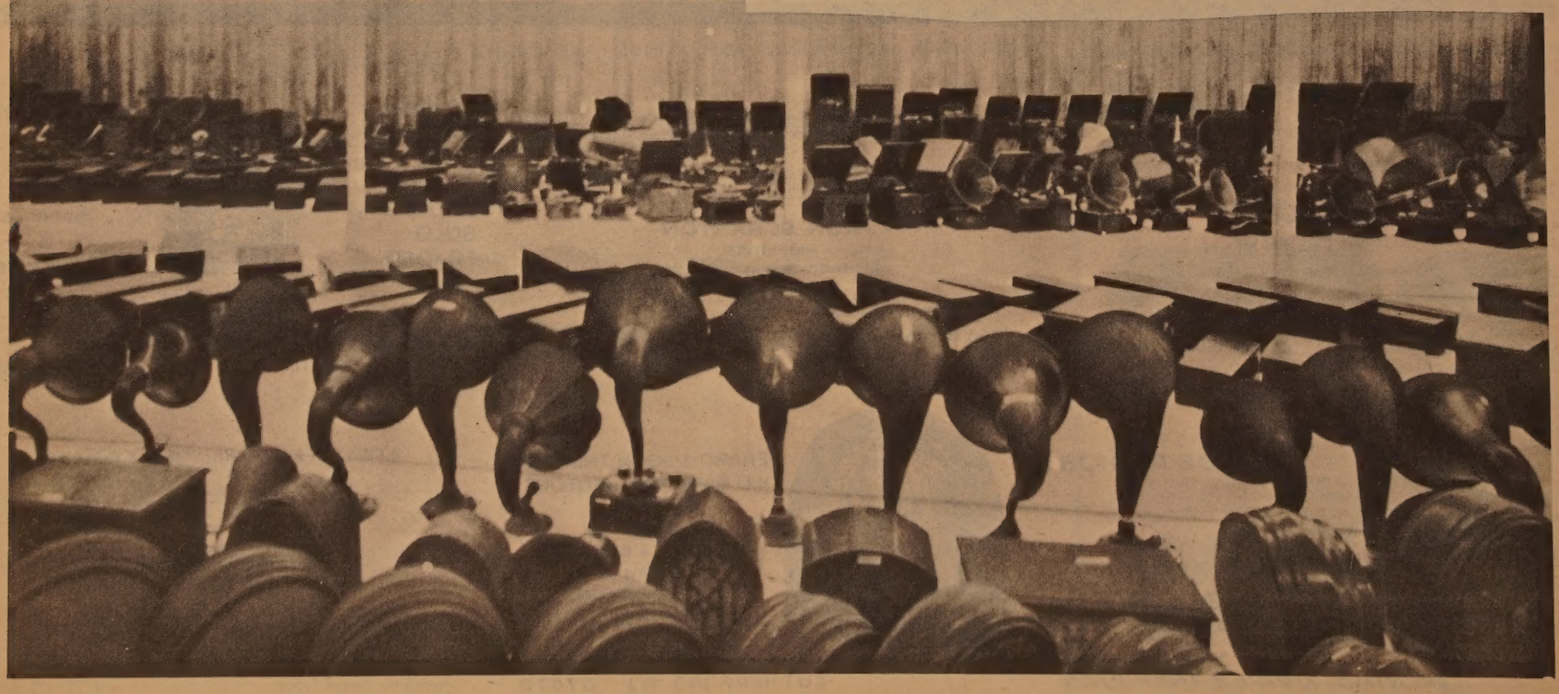
As told to Joe Roizen

NOVEMBER 18, 1972, BILLBOARD



This German Magnetophon, made during World War II by AEG-Telefunken, used ¼" tape running at 30 ips. There were no hubs on the reels and maximum playing time was 22 minutes. Three of these machines were captured at Radio Luxembourg after D-day. These war souvenirs served as the basis for US manufacture of the Ampex and Rangertone audio recorders.

(Left) Major Orr when he was radio engineering officer on General Eisenhower's staff at Supreme Headquarters, Allied Expeditionary Forces, during World War II at the time he first came into contact with magnetic tape. (Right) J. Herbert Orr as a teenager with radio receiver he built. Background setting is Alabama farm where he spent his childhood.



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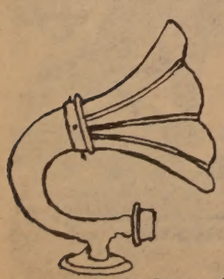

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by Bruce C. Edgar

continued

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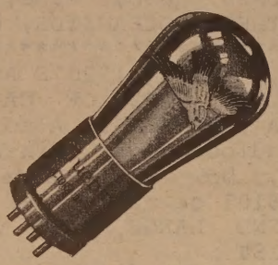

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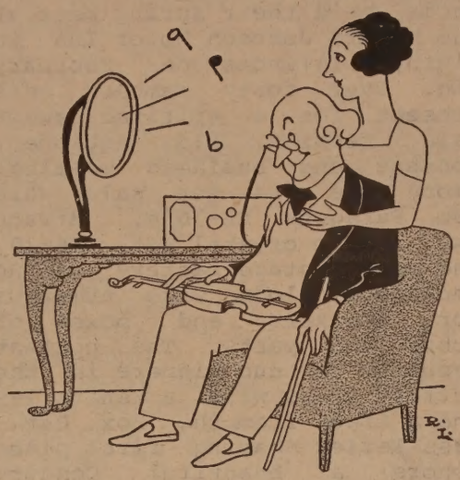

- 13. Used power transformers. From $5.00 to $10.00. State your needs and we will send a quote. --
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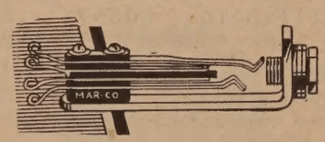

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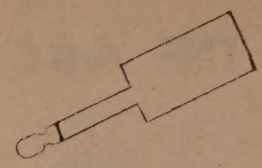

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THE ABC OF

DATING TUBES

by Bob Lane

"UV" brass tubes with short pins and tits on top were made in 1920-21. this includes the UV 200, UV 201, UV 216 and UV 202. The tits were left off in 1923. Brass bases were changed to bakelite in 1924 and the pins were made larger and longer in 1925 when they were called the "UX" series.

In 1924, the UX 112, 171, 222, 226, 227, 240, 280 and 281 were made for AC operated sets. The 245 was made in 1929 as well as the 224, the first screen grid tube.

All tubes before 1930 had three numbers except the WD 11 and WD 12. In 1930 the first number, which varied according to the manufacturer, was dropped. The 30 series emerged in 1930, the 50 series in 1931 and 70 series in 1932.

Tube envelope design changed from rounded top to pinched tops in 1931.

In 1932, the system changed to list filament voltage first, letters starting with "A" second and a final number designating number of active pins. The letters went up the alphabet until two letters were required such as the 6SA7.

Rectifiers were designated with letters from "Z" and then going backwards down the alphabet.

So generally, the higher the letters the newer the tube, except for rectifiers where the reverse is true.

From the BROADCASTER
By the Mid America Antique Radio Club
4229 West 98th Street
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66207

club news

** : SPECIAL REPORT TO : **
**** THE HORN SPEAKER ****

ANTIQUE RADIO CLUB OF ILLINOIS The Antique Radio Club of Illinois held their Spring Meet at the Howard Johnson Motor Inn in Elgin, Illinois on February 7th. Over forty members were present for a spirited swap-sale session, old equipment contest and business meeting. Among the sets for sale were two Paragons RA-10's, Miraco MW, Lawsam crystal set, AK-10, and many vintage battery and AC receivers along with numerous horn speakers and boxes of tubes and parts. The contest resulted in duo winners in the battery class with a Zenith 1-R and a fresh from the box Harkness Reflex sharing first place honors; a beautiful Century Mantel clock radio was first in the A.C. receiver class; a mint display of a Raditron doll, RCA globe, and RCA tapestry was first in the Anything RCA class; and a Sea-Tone speaker was first in the horn speaker class. The Sea-Tone speaker was also judged Best of Show by the judging trio of Dr. Ralph Muchow, Carmen Ambroggio and Charley Barone. During the business meeting the Antique Radio Club of Illinois membership voted to affiliate with the Antique Radio Club of America. Plans for our next meet (May 16th hosted by Burt Katz) were discussed and a committee consisting of Randy Renee, Nate Alexander, Barry Janov and Joe Willis was formed to spearhead our combined ARCI/ARCA/IHRS/MAARC Meet to be held at the Holiday Inn in Elgin, Illinois on August 7th, 1982. This will be a one day radio extravanganza followed by the Santa Fe Hamfest on Sunday (one of the largest hamfest in the Country). Details of the combined meet will be available to anyone wishing to attend by the first of March. Just drop me a line at: 525 Oakdale #524, Chicago Illinois 60657. An auction of junkers and clunkers was conducted by "Admiral" Larry Wright to help defray the cost of the meeting rooms. All in all, we considered this one of our most successful meets. Just ask Jim Troe who came all the way from Morristown, New Jersey.

Joe Willis,
president of ARCI

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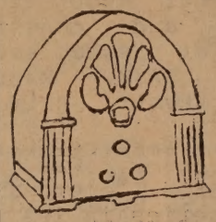

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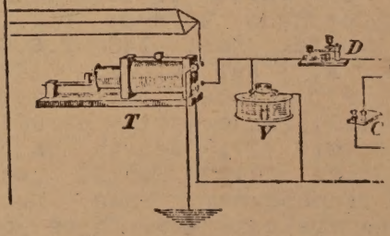

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RIDER RADIO VOLUME 1-23, Rider Radio Volume 1-18, Rider Radio Volume 5-10, Rider Radio Abridged 1-5, Rider T.V. Volume 1-7, 675 B-K card tube tester, Philco 38 battery cathedral, Montgomery Ward 62-207A battery console; Rest of sets are AC, Philco 60 cathedral, Philco 611 looks like 116 F.O.S 124, Philco 59, Philco 42-350 F.O.S. 134, Coronado 2078-D, R.P.C. 6-B, Atwater Kent 145 F.O.S. 68, R.C.A. 85T F.O.S. 152, R.C.A. 97T looks like 95TS F.O.S. 153, Farnesworth ET-069, Sky Rover 777, Zenith 5S127 looks like 70127 F.O.S. 193, Zenith Transoceanic 5H40; Rest of sets are consoles. These you come and pick up. Delco R-1178, Philco 38 3, Philco 39-36, Philco 16-122, Coronado 1A62, Zenith 52, Zenith 1005 -- S.F.C. Antique Radio, 602 10th St. S.W., Jamestown, ND 58401 or call (701) 251-1955.
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WANTED: SCOTT PHILHARMONC. Prefer Napier console. Dick Howe, 9318 Wickford, Houston, TX 77024 or call (713) 680-9945 collect.

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WANTED: T.V. GUIDES. ESPECIALLY PRE-1970. ALSO WANT ALL TYPES OF OCEAN LINER MEMORABILIA. DESCRIBE AND PRICE. RICHARD HEBERT, BOX 603 AUBURN, NY 13021.

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WANTED: CONTROL PANEL BOARD and knobs. Also want magnetic pickup head for Capehart radio-phono no. 407-E. Also want crystal pickups for R. C. A. Magic Brain record changer. Also want 1940 R. C. A. radio-phonograph combination no V-201. David Galanek, 111 Eastwood Rd. Bridgeport, CT 06606.

WANTED- ADAPTER # 615 OR OTHER adapters for Eico tube tester model # 666 & 667. Also latest tube chart. Frank Hoffert, 19605 Chardon Road, Cleveland, OH 44117.

$50 REWARD for xerox of manual for c.1969 Air Force VLF SIGNAL SIMULATOR. Contact#: FO-9603--69-C-0571. Part#: 11045. H. Layer, AV-SFSU, 1600 Holloway, San Francisco, CA 94132.

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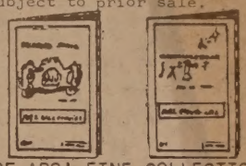

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LIST NO. 20

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1A4	$6	1LB4	$6	3A5	$6	6AD5	$7	6C7	$7	6N6	$6	12B8	$7	14AF7	$7	26	$9	44	$6	80	$6	7629	$12
1A5	$7	1LC5	$7	3A8	$6	6AD6	$12	6U7	$10	7F6	$10	12BA6	$5	14B5	$6	26A6	$8	45	$14	81	$10	7652	$7
1A6	$7	1LC6	$6	3B5	$6	6AF7	$8	6N7	$10	7F7	$10	12BE6	$5	14B6	$6	26A7	$7	4523	$5	82	$8	7853	$5
1A7	$8	1LD5	$7	3B7	$6	6AE5	$6	6D4	$6	6P7	$7	6V7	$5	7H7	$7	12C5	$6	14B8	$6	27	$6	4525	$8	83	$8	5681	$9
1B4	$8	1LE3	$7	3C6	$7	6AE6	$7	6D6	$8	6P7	$7	6W6	$6	7J7	$8	12C8	$7	14C5	$6	28D7	$4	46	$6	83V	$6	6146	$7
1B5	$8	1LF3	$7	3D6	$7	6AF4	$4	6K7	$4	7K7	$8	12D6	$7	14C7	$6	30	$4	47	$10	84	$6	9001	$5
1B7	$8	1LD5	$7	3Q4	$6	6AF5	$7	6D8	$8	6S4	$3	6X5	$4	7L7	$8	12N6	$7	14E6	$6	31	$5	45	$10	85	$7	9002	$6
1C5	$8	1N4	$7	3Q5	$6	6AF6	$12	6E5	$7	6S7	$6	6Y5	$7	7N7	$8	12Q7	$5	14E7	$6	32	$7	49	$9	89	$7	9003	$6
1C6	$8	1N5	$1	3S4	$6	6AG5	$7	6E6	$8	6S8	$7	6Z4	$5	7Q7	$7	12S7	$5	14F7	$6	35L6	$4	50	$15	117L7	$10	9006	$6
1C7	$8	1N5	$1	3V4	$6	6AG7	$6	6E7	$7	6SA7	$7	6Z5	$7	7R7	$7	12K7	$7	14F8	$6	32L7	$4	50A5	$7	117N7	$10	VR75	$3
1D5	$8	1N6	$1	5AZ4	$8	6AH5	$7	6E8	$7	6S8T	$7	6Z7	$8	7S7	$8	12K8	$7	14H7	$7	33	$6	50B5	$5	117N7	$9	VR90	$4
1D7	$8	1P5	$6	5R4	$6	6AH7	$8	6F5	$7	6SC7	$8	6Z9	$5	7V7	$8	12L6	$4	1431	$4	34	$7	50C5	$4	117P7	$9	VR105	$5
1D8	$8	1Q5	$6	5T4	$6	6AK5	$7	6F6	$7	6SD7	$6	7A4	$7	7W7	$8	12Q7	$6	14N7	$6	35	$4	50C6	$4	117Z3	$7	VR150	$5
1E4	$8	1R4	$4	5U4	$6	6AL5	$7	6F7	$8	6SE7	$5	7A5	$5	7X6	$7	12SA7	$6	1407	$9	35A5	$7	50L6	$6	117Z4	$7	VT-52	$8
1E5	$8	1R5	$4	5U4	$6	6AL7	$12	6F8	$5	6SF5	$5	7A6	$7	7X7	$8	12SB7	$5	1487	$6	35B5	$6	50X6	$7	117Z6	$7	FM1000	$12
1E7	$8	1S4	$4	5U4	$6	6AM5	$7	6G6	$14	6SF7	$5	7A7	$7	7Y4	$8	12SC7	$5	14Q7	$6	35C5	$5	50Y6	$7	1485	$9	XR8	$5
1F4	$8	1S5	$4	5X4	$6	6AQ7	$8	6G7	$8	7A8	$7	7Z4	$7	12SF5	$5	14X7	$7	35L6	$7	50Y7	$7	717A	$12	XXD	$7
1F5	$8	1T4	$4	5Y3	$6	6AT6	$6	6H4	$5	6SH7	$6	7AD7	$6	10	$9	12SF7	$5	15	$12	35W4	$6	57	$6	879	$5	XXL	$9
1F7	$8	1T5	$4	5Y4	$6	6AT8	$12	6H6	$4	6SJ7	$5	7AE7	$6	12	$10	12SG7	$5	19	$5	35Y4	$7	58	$15	884	$9	XXFM	$8
1F7	$8	1U4	$4	6A3	$8	6AT9	$12	6H8	$6	6SK7	$6	7AF7	$8	12A5	$7	12SH7	$5	1978	$5	35Z3	$7	59	$8	950	$9		
1G4	$8	1U5	$4	6Z4	$6	6AV5	$8	6J5	$9	6SL7	$5	7AG7	$6	12A6	$7	12SJ7	$5	20	$12	3524	$7	59	$8	951	$9		
1G6	$8	1V	$3	6A4	$6	6B6	$7	6J7	$5	6SN7	$5	7AH7	$5	12A7	$8	12SK7	$5	22	$6	3525	$8	57	$5	955	$8		
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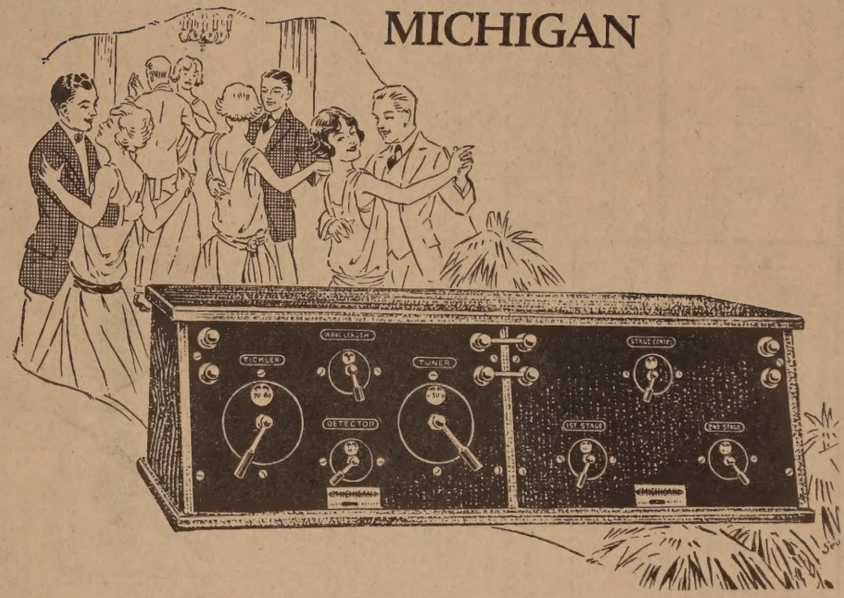

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